To: Arguto, William[Arguto.William@epa.gov]; Gray, Wendy[Gray.Wendy@epa.gov]

From: Wisniewski, Patti-Kay
Sent: Fri 1/31/2014 7:42:08 PM
Subject: FW: Smell Assessment

I think I shared the first email, but here is more.

From: Caporale, Cynthia

Sent: Friday, January 31, 2014 1:06 PM

To: Wisniewski, Patti-Kay; binetti, victoria; Kelly, Jack (R3 Phila.)

Subject: FW: Smell Assessment

More on smell of PPh.

From: Molnar, Adam

Sent: Friday, January 31, 2014 12:48 PM

To: Caporale, Cynthia; Graybill, Eric; Gundersen, Jennifer; Poff, Kevin; Warner, Sue; Zawodny, Peggy

Subject: RE: Smell Assessment

I didn't make that association.

The PPH has a kind of generic chemical smell and it's not very strong, you wouldn't really notice it unless you intentionally started smelling a bottle of it. I think it has more of a naphthalene type smell. I'll pay attention when I work with it next and see if it smells like sharpie.

Adam Molnar Chemist U.S. EPA Region 3 701 Mapes Road Fort Meade, MD 20755 (410) 305-2676 molnar.adam@epa.gov

From: Caporale, Cynthia

Sent: Friday, January 31, 2014 11:16 AM

To: Molnar, Adam; Graybill, Eric; Gundersen, Jennifer; Poff, Kevin; Warner, Sue; Zawodny, Peggy

Subject: RE: Smell Assessment

Does the chemical smell resemble Sharpie markers?

From: Molnar, Adam

Sent: Friday, January 31, 2014 11:01 AM

To: Graybill, Eric; Caporale, Cynthia; Gundersen, Jennifer; Poff, Kevin; Warner, Sue; Zawodny, Peggy **Subject:** RE: Smell Assessment

I agree with Eric.

Neat MCHM = Smells like Cherry Cough Syrup Crude MCHM = Smells like licorice Neat PPH = slight chemical smell

Adam Molnar Chemist U.S. EPA Region 3 701 Mapes Road Fort Meade, MD 20755 (410) 305-2676 molnar.adam@epa.gov

From: Graybill, Eric

Sent: Friday, January 31, 2014 9:51 AM

To: Caporale, Cynthia; Gundersen, Jennifer; Molnar, Adam; Poff, Kevin; Warner, Sue; Zawodny, Peggy

Subject: RE: Smell Assessment

MCHM is the licorice

PPh has a slight chemical smell

From: Caporale, Cynthia

Sent: Friday, January 31, 2014 9:50 AM

To: Graybill, Eric; Gundersen, Jennifer; Molnar, Adam; Poff, Kevin; Warner, Sue; Zawodny, Peggy

Subject: Smell Assessment

Working with the crude materials are there distinct smells between MCHM and PPh and which one is giving the licorice smell?

Cynthia Caporale, Chief OASQA Laboratory Branch U.S. EPA Region III Environmental Science Center Fort Meade, MD (410) 305-2732

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